

ABSTRACT

A turbo encoder (1) includes an interleaver (32, 33) which stores 289-bit information bit sequences in an input buffer of 17 (abscissa M: prime number) \times 17 (ordinate N: natural number), generates random sequences of 16 types by shifting a specific 16-bit random sequence generated by using the prime number bit by bit in units of rows, maps information bit sequences of an interleave length (289 bits) on the 17 (M) \times 17 (N) mapping pattern generated from the random sequences of 16 types, and reads the mapped information bit sequences in units of columns.

10030814-011402
2047710-47805001